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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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27623	7590	02/14/2012		EXAMINER
OHLANDT, GREELEY, RUGGIERO & PERLE, LLP ONE LANDMARK SQUARE, 10TH FLOOR STAMFORD, CT 06901				TRAPANESE, WILLIAM C
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/595,338	BEN-AROYA ET AL.	
	Examiner	Art Unit	
	WILLIAM TRAPANESE	2171	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 02 October 2009.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
- 4) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 5) Claim(s) 1-27 is/are pending in the application.
 - 5a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 6) Claim(s) _____ is/are allowed.
- 7) Claim(s) 1-27 is/are rejected.
- 8) Claim(s) _____ is/are objected to.
- 9) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 10) The specification is objected to by the Examiner.
- 11) The drawing(s) filed on 17 September 2008 is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 12) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____ .
3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date <u>See Continuation Sheet</u> .	5) <input type="checkbox"/> Notice of Informal Patent Application
	6) <input type="checkbox"/> Other: _____

Continuation of Attachment(s) 3). Information Disclosure Statement(s) (PTO/SB/08), Paper No(s)/Mail Date :02/23/2007; 06/21/2007; 07/06/2007.

DETAILED ACTION

1. This action is responsive to the following communications: The original application filed on 10/2/2009 with Information Disclosure Statements filed on 02/23/2007, 06/21/2007, and 07/06/2007.
2. Claims 1-27 are pending in this case. Claims 1 and 18 are the independent claims.

Claim Rejections - 35 USC § 101

3. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

4. **Claims 1-17 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.**

5. **Independent claim 1** recites an apparatus for intercepting and filtering a communication item containing a frontend component and a backend component. Both components, as claimed, can be implemented as software only. Accordingly, the recited apparatus is software per se and is not a "process," a "machine," a "manufacture," or a "composition of matter," as defined in 35 U.S.C. 101.

6. **Claims 2-17** merely further define the functions of the frontend and backend components. Thus, claims 2-17 fail to recite statutory subject matter.

Claim Rejections - 35 USC § 102

7. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

8. Claims 1, 3, 7-10, 13, 14, and 16-25 are rejected under 35 U.S.C. 102(b) as being anticipated by Scarano et al. (hereinafter Scarano, US 2004/0117185)

9. In regards to independent claim 1, Scarano teaches an apparatus comprising:

- an at least one front end component, the front end component comprising:
 - at least one interception criteria operation component for determining whether an at least one communication item complies with the at least one interception criteria (Scarano teaches analyzing a conversation using preset rules to determine what action to perform on the conversation, "The logic processing according to 1906 is executed when an intermediate file is created. Rules determination considers the information known about the audio and determines which rules sets to apply to the audio...As part of the rules processing actions can be initiated, such as creating an alert or incrementing a statistic. According to one embodiment, alerts and statistics may be stored in a relational database," Scarano, [0158-0162]); and

- at least one capturing component for capturing the at least one communication item (Scarano teaches capturing a phone conversation, "At step 1902, audio is captured from the conversation of step 1901 and a digital representation is made and stored within a computer system," Scarano, [0152]); and
- an at least one back end component, the back end component comprising:
 - at least one front end interface server for interfacing between the at least one capturing component and the back end component (Scarano teaches a front end interface for processing capture communication items, "FIGS. 5-17 depict screen shots of a speech processing interface according to an embodiment of the present invention. Referring to FIG. 5, an initial screen of an application manager provides a single, integrated interface for accessing all components of a suite of programs including those providing for the capture of audio and data and mining of the captured data," Scarano, [0103]);
 - at least one hierarchy definition and update component, for defining at least one hierarchy comprising at least one interception criteria (Scarano teaches creating a hierarchy of communication items based upon the channel intercepted, "By selecting an item from any one viewport, all other may be configured to automatically filter their

results to match the selection. For instance, if the user selects the station "4121" from the tree, Alerts, Call History, and Speech Results viewports will be constrained only to calls that were recorded for the selected station "4121,"" Scarano, [0103], Fig. 6); and

- at least one query engine for filtering the at least one communication item according to the at least one interception criteria (Scarano teaches filtering the communication items based on channel, "By selecting an item from any one viewport, all other may be configured to automatically filter their results to match the selection. For instance, if the user selects the station "4121" from the tree, Alerts, Call History, and Speech Results viewports will be constrained only to calls that were recorded for the selected station "4121,"" Scarano, [0103], Fig. 6).

10. **In regards to dependent claim 3,** Scarano teaches the apparatus of claim 1 wherein the backend comprises a hierarchy presentation component for presenting the at least one hierarchy (Scarano teaches displaying the hierarchy in a user interface, "By selecting an item from any one viewport, all other may be configured to automatically filter their results to match the selection. For instance, if the user selects the station "4121" from the tree, Alerts, Call History, and Speech Results viewports will be constrained only to calls that were recorded for the selected station "4121,"" Scarano, [0103], Fig. 6).

11. **In regards to dependent claim 7,** Scarano teaches the apparatus of claim 1 further comprising an at least one reviewing component for reviewing the at least one communication item (Scarano teaches a media playback component for reviewing a communication item, “FIG. 6 depicts a speech browser providing an interface for (i) browsing calls, (ii) filtering calls, (iii) audio playback and queuing to exact moments when phrases are detected, (iv) speech mining, and (v) speech-processor (batch processing),” Scarano, [0103]).

12. **In regards to dependent claim 8,** Scarano teaches that the apparatus of claim 1 wherein the at least one communication item is any of the following: a telephone conversation; a fax; an SMS; a cellular telephone conversation; an e-mail message; an internet browsing session; an FTP session; an MMS; a P2P session; an instant messaging session; a chat session; a login operation; a modem call; a data transfer; a GPRS communication; the location of a cellular telephone; or a video conference (Scarano teaches that the communication item is a telephone conversation, “To address the shortcomings of prior art systems, it would be advantageous to provide an automated call monitoring system capable of automatically analyzing all telephone calls as they are recorded, which is also capable of reviewing and monitoring previously recorded calls,” Scarano, [0063]).

13. **In regards to dependent claim 9,** Scarano teaches that the apparatus of claim 1 wherein the at least one front end or the at least one back end contains an at least one analysis engine (Scarano teaches a word spotting engine to organize communication items, “Embodiments of the present invention use programming

language to instruct a computer to search audio data, such as a recorded telephone conversation, and take certain actions as a result of detecting or not detecting desired spoken words, phrases, or sequences of words," Scarano, [0072]).

14. **In regards to dependent claim 10,** Scarano teaches that the apparatus of claim 9 wherein the at least one analysis engine is any of the following: a speech to text engine; a word spotting engine; an emotion detection engine; a language identification engine for audio; a speaker identification engine; a speaker hunting engine; a speaker separation engine; a speaker recognition engine; a phonetic search engine; a text language identification engine; a free text search engine; a categorization engine; a clustering engine; an entity tagging and relationship engine; an automatic summary engine; a language translation engine of the content; a face recognition engine; or an OCR engine of captured images (Scarano teaches a word spotting engine to organize communication items, "Embodiments of the present invention use programming language to instruct a computer to search audio data, such as a recorded telephone conversation, and take certain actions as a result of detecting or not detecting desired spoken words, phrases, or sequences of words," Scarano, [0072]).

15. **In regards to dependent claim 13,** Scarano teaches the apparatus of claim 7 wherein the reviewing component comprises an at least one playback component for playing an at least one vocal communication item (Scarano teaches a media playback component for reviewing a communication item, "FIG. 6 depicts a speech browser providing an interface for (i) browsing calls, (ii) filtering calls, (iii) audio playback and

queuing to exact moments when phrases are detected, (iv) speech mining, and (v) speech-processor (batch processing)," Scarano, [0103]).

16. **In regards to dependent claim 14,** Scarano teaches the apparatus of claim 13 wherein the playback component presents at least one indication of an at least one event from the following list: a time tag, a spotted word, a spotted phrase, a segment with high emotion detected, a comment, interception related information, DTMF, or an action item (Scarano teaches a media playback component for reviewing a communication item. The communication item is identified by the spotted word or phrase, "FIG. 6 depicts a speech browser providing an interface for (i) browsing calls, (ii) filtering calls, (iii) audio playback and queuing to exact moments when phrases are detected, (iv) speech mining, and (v) speech-processor (batch processing)," Scarano, [0103], Fig. 6).

17. **In regards to dependent claim 16,** Scarano teaches the apparatus of claim 1 further comprising a data retention component for preserving an at least one additional data item (Scarano teaches that a captured communication item is stored, "At step 1902, audio is captured from the conversation of step 1901 and a digital representation is made and stored within a computer system," Scarano, [0152]).

18. **In regards to dependent claim 17,** Scarano teaches the apparatus of claim 1 further comprising a user interface, the user interface having at least one of the following modes: a monitoring mode; a processing mode; an analysis mode; a supervision mode; a management mode; an administration mode (Scarano teaches analysis and administration modes, in which, the user can run queries on

communications in analysis mode and can modify the collections system in the administration mode, “FIG. 7 depicts a system control or system commander screen used to start and stop the systems, as well as provide system status information....The speech mining interface depicted in FIG. 9 can be invoked from the Speech Browser toolbar. The speech mining interface includes a Simple (FIG. 9) and Advanced (FIG. 10) dialog for selecting the records of phrases that are to be located,” Scarano, [0104]-[0105]).

19. **Independent claim 18** is in the same context as claim 1; therefore it is rejected under similar rationale.

20. **In regards to dependent claim 19**, Scarano teaches the method of claim 18 further comprising a step of using an at least one result of the analyzing step for deleting, adding, or changing an at least one interception criteria belonging to the hierarchy (Scarano teaches using the interface to search the communication items for key phrases, therefore changing the interception criteria to include the key phrases, “Embodiments of the present invention use programming language to instruct a computer to search audio data, such as a recorded telephone conversation, and take certain actions as a result of detecting or not detecting desired spoken words, phrases, or sequences of words,” Scarano, [0072]).

21. **Dependent claim 20** is in the same context as claim 16; therefore it is rejected under similar rationale.

22. **Dependent claim 21** is in the same context as claim 7; therefore it is rejected under similar rationale.

23. **Dependent claim 22** is in the same context as claim 13; therefore it is rejected under similar rationale.

24. **Dependent claim 23** is in the same context as claim 8; therefore it is rejected under similar rationale.

25. **Dependent claim 24** is in the same context as claim 10; therefore it is rejected under similar rationale.

26. **In regards to dependent claim 25**, Scarano teaches the method of claim 18 further comprising a real-time alert presentation step for presenting in real-time or near-real-time an alert concerning an at least one communication item, (Scarano teaches displaying real-time reports and alerts to the user based on rules created, “FIG. 14 depicts a speech statistics setup display. The speech statistics component is used for displaying real-time graphics of statistics that are maintained by the business-rules of the system. For instance, a statistic can be created to count the number of times that a specific phrase is heard, is missing, or to calculate statistics based on any other measures. Once the speech statistics are setup, a graph such as depicts in FIG. 15 may displayed and updated in real-time. A user can watch as the graph dynamically changes over time to observe trends, not only with speech-related statistics, but with statistics than can be calculated by speech, CTI, system, and user-data,” Scarano, [0108]).

Claim Rejections - 35 USC § 103

27. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

28. Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Scarano in view of Seaman et al. (hereinafter Seaman, US 2007/0112713).

29. In regards to dependent claim 2, Scarano teaches all limitations inherited from the independent claim 1 as discussed above. Scarano fails to explicitly teach that the hierarchy further comprises at least one of the following: an at least one case, an at least one sub-case, or an at least one target. Seaman teaches that the hierarchy further comprises at least one of the following: an at least one case, an at least one sub-case, or an at least one target (Seaman teaches that a folder hierarchy containing a case folder can be used to store information related to a case, "Also accessible to system 10 is a set of criminal cases or case files/folders, e.g., Case 16 to Case 18, that are organized based on a given data structure or format specification or requirements for the system, and that are stored in any combination of storage 12, memory 22 and remote storage (such as one or more law enforcement databases). Each case file is created for a different criminal incident and includes a number of items or information related to the case," Seaman, [0026]). It would have been obvious to one of ordinary skill in the art, having the teachings of Scarano and Seaman before him at the time the

invention was made, to modify the communication capture interface taught by Scarano to include the case file storage of Seaman in order to obtain a communication capture interface with case file storage. One would have been motivated to make such a combination because it allows users to quickly access items pertinent to a single case.

30. Claims 4 and 5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Scarano in view of Mardirossian (Mardirossian, US 2004/0131160).

31. **In regards to dependent claim 4,** Scarano teaches all limitations inherited from the independent claim 1 as discussed above. Scarano fails to explicitly teach data related to a non-target person communicating with the at least one target is collected. Mardirossian teaches that data related to a non-target person communicating with the at least one target is collected (Mardirossian teaches storing a unknown targets voice data in a database to hopefully match it at a later date, "On the other hand, if no match is found, the monitoring agency 22 may store the voice sample in a section of the database reserved for storing important, but unidentified voice samples, as set forth above. These unidentified voice samples may be used, as described above, for determining whether the voice of an individual whose sample is being taken matches a previously unidentified voice sample stored in the database 20," Mardirossian, [0034]). It would have been obvious to one of ordinary skill in the art, having the teachings of Scarano and Mardirossian before him at the time the invention was made, to modify the communication capture interface taught by Scarano to include the tracking of unknown individuals of Mardirossian in order to obtain a communication capture interface that

tracked unknown individuals. One would have been motivated to make such a combination because it allows users to identify unknown persons in the future as more information is collected.

32. **In regards to dependent claim 5,** Scarano teaches all limitations inherited from the independent claim 1 as discussed above. Scarano fails to explicitly teach data related to an unknown target communicating with the at least one target is collected. Mardirossian teaches that data related to an unknown target communicating with the at least one target is collected (Mardirossian teaches storing a unknown targets voice data in a database to hopefully match it at a later date, "On the other hand, if no match is found, the monitoring agency 22 may store the voice sample in a section of the database reserved for storing important, but unidentified voice samples, as set forth above. These unidentified voice samples may be used, as described above, for determining whether the voice of an individual whose sample is being taken matches a previously unidentified voice sample stored in the database 20," Mardirossian, [0034]). It would have been obvious to one of ordinary skill in the art, having the teachings of Scarano and Mardirossian before him at the time the invention was made, to modify the communication capture interface taught by Scarano to include the tracking of unknown individuals of Mardirossian in order to obtain a communication capture interface that tracked unknown individuals. One would have been motivated to make such a combination because it allows users to identify unknown persons in the future as more information is collected.

33. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Scarano in view of McKibben (McKibben, US 2001/0052081).

34. **In regards to dependent claim 6,** Scarano teaches all limitations inherited from the independent claim 1 as discussed above. Scarano fails to explicitly teach that the at least one interception criteria is associated with an at least one warrant. McKibben teaches that the at least one interception criteria is associated with an at least one warrant, (McKibben teaches that the interception criteria is created once a court order approving the wiretap is received, "Upon reception of appropriate authorization from a law enforcement agency, for example, a court order authorizing wiretapping, the operator provisions surveillance of the subject via the operations system," McKibben, [0060]). It would have been obvious to one of ordinary skill in the art, having the teachings of Scarano and McKibben before him at the time the invention was made, to modify the communication capture interface taught by Scarano to include the tracking of individuals based on a warrant of McKibben in order to obtain a communication capture interface that tracked communications based on a warrant. One would have been motivated to make such a combination because it ensures that any tracking performed is lawful.

35. Claims 11, 12, and 26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Scarano in view of Bedrosian et al. (Bedrosian, US 6,459,782).

36. **In regards to dependent claim 11,** Scarano teaches all limitations inherited from the dependent claim 7 as discussed above. Scarano fails to explicitly teach that

the reviewing component comprises a map presentation component for presenting an at least one map. Bedrosian teaches that the reviewing component comprises a map presentation component for presenting an at least one map (Bedrosian teaches displaying a map in reference to a caller id, "In a preferred embodiment of the invention, the system comprises a conventional caller identification unit that reads information transmitted in conjunction with an incoming customer telephone call. A main processor engine receives this information and searches at least one database for a match between the information and the customer's address. Once the customer's address is successfully located and retrieved by the main processor engine, the address is communicated to a mapping engine or other software capable of generating such navigational information as textual directions to the caller's location. The mapping engine searches a mapping database for data associated with the address that may be used by the mapping engine to generate a map between a predetermined point of origin and the address. Once the map is generated, it can then be displayed on a computer screen and/or printed on paper. Textual directions are similarly generated," Bedrosian, Column 2 Lines 60-67 - Column 3 Lines 1-9). It would have been obvious to one of ordinary skill in the art, having the teachings of Scarano and Bedrosian before him at the time the invention was made, to modify the communication capture interface taught by Scarano to include mapping the location of the communications of Bedrosian in order to obtain a communication capture interface that mapped the location of the communications. One would have been motivated to make such a combination because it enables a user to quickly create directions to reach the location of the communication.

37. **In regards to dependent claim 12,** Scarano teaches all limitations inherited from the dependent claim 11 as discussed above. Scarano fails to explicitly teach that the at least one map comprises an at least one indication for an at least one location of an at least one communication means associated with an at least one target. Bedrosian teaches that the at least one map comprises an at least one indication for an at least one location of an at least one communication means associated with an at least one target (Bedrosian teaches displaying a map in reference to a caller id, "In a preferred embodiment of the invention, the system comprises a conventional caller identification unit that reads information transmitted in conjunction with an incoming customer telephone call. A main processor engine receives this information and searches at least one database for a match between the information and the customer's address. Once the customer's address is successfully located and retrieved by the main processor engine, the address is communicated to a mapping engine or other software capable of generating such navigational information as textual directions to the caller's location. The mapping engine searches a mapping database for data associated with the address that may be used by the mapping engine to generate a map between a predetermined point of origin and the address. Once the map is generated, it can then be displayed on a computer screen and/or printed on paper. Textual directions are similarly generated," Bedrosian, Column 2 Lines 60-67 - Column 3 Lines 1-9). It would have been obvious to one of ordinary skill in the art, having the teachings of Scarano and Bedrosian before him at the time the invention was made, to modify the communication capture interface taught by Scarano to include mapping the location of

the communications of Bedrosian in order to obtain a communication capture interface that mapped the location of the communications. One would have been motivated to make such a combination because it enables a user to quickly create directions to reach the location of the communication.

38. **Dependent claim 26** is in the same context as claim 12; therefore it is rejected under similar rationale.

39. **Claim 15 is rejected under 35 U.S.C. 103(a) as being unpatentable over Scarano in view of Jensen et al. (Jensen, US 2004/0243536).**

40. **In regards to dependent claim 15,** Scarano teaches all limitations inherited from the dependent claim 7 as discussed above. Scarano fails to explicitly teach that the reviewing component is a content presentation component for presenting the contents of an at least one visual communication, or a textual presentation component for presenting the contents of an at least one textual communication. Jensen teaches that the reviewing component is a content presentation component for presenting the contents of an at least one visual communication, or a textual presentation component for presenting the contents of an at least one textual communication (Jensen teaches a method of storing and displaying chat room text messages for use in an investigation, "FIG. 8 is a screen display of a folder view embodiment 810 of the GUI display module 215 of FIG. 2, illustrating exemplary chat stream content saved and indexed by the systems depicted in the preceding figures. Folder view embodiment 810 provides a title bar 812, a menu bar 814, button bars 816 and 818, and a search bar 840 for searching

for words and phrases in indexed files. The folder view embodiment 810 also provides a folder view pane 820 to enable a user to select a folder and specific file. The folder view embodiment 810 also provides a file view pane 830 to display the file specified in the folder view pane 820," Jensen, [0077]). It would have been obvious to one of ordinary skill in the art, having the teachings of Scarano and Jensen before him at the time the invention was made, to modify the communication capture interface taught by Scarano to include tracking chat logs of Jensen in order to obtain a communication capture interface that tracked chat logs. One would have been motivated to make such a combination because it enables a secure documentation of events that occurred in a chat room, which may be needed for prosecution.

41. Claim 27 is rejected under 35 U.S.C. 103(a) as being unpatentable over Scarano in view of Houri et al. (Houri, US 6,665,715).

42. In regards to dependent claim 27, Scarano teaches all limitations inherited from the dependent claim 18 as discussed above. Scarano fails to explicitly teach an IP expansion step for determining additional information about a target. Houri teaches an IP expansion step for determining additional information about a target (Houri teaches extracting a user's location from an IP address used by the user, "In accordance with one embodiment of the invention, the location tracking system employs its trace engine module to send a route identification command to the end user so as to obtain the IP addresses of all the computer nodes employed in connecting the end user to the Internet. The database management engine then matches the IP address of the server

that is directly connect to the end-user's computer to an IP address in the IP address-geographic location database. If a match is found, the end-user's geographical location is then estimated. Thereafter, the location tracking system sends a command to a URL switch command module, so as to send the appropriate URL to the end user based, among other things, on the estimated geographical location of the end user," Houri, Column 3 Lines 26-40). It would have been obvious to one of ordinary skill in the art, having the teachings of Scarano and Houri before him at the time the invention was made, to modify the communication capture interface taught by Scarano to include tracking the location of an IP address of Houri in order to obtain a communication capture interface that tracks the location of an IP address. One would have been motivated to make such a combination because it enables a user to locate a target based on internet communications.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William Trapanese whose telephone number is 571-270-3304. The examiner can normally be reached on Monday - Thursday 9:30AM to 8:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chat Do can be reached on 571-272-3721. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/William Trapanese/
Examiner, Art Unit 2171

/Chat C. Do/
Supervisory Patent Examiner, Art Unit 2171